

REMARKS

This Preliminary Amendment is submitted to improve the form of the specification as originally-filed.


It is respectfully requested that this Preliminary Amendment be entered in the above-referenced application.

If there are any additional fees associated with filing of this Preliminary Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 2-2-04

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Fig.1

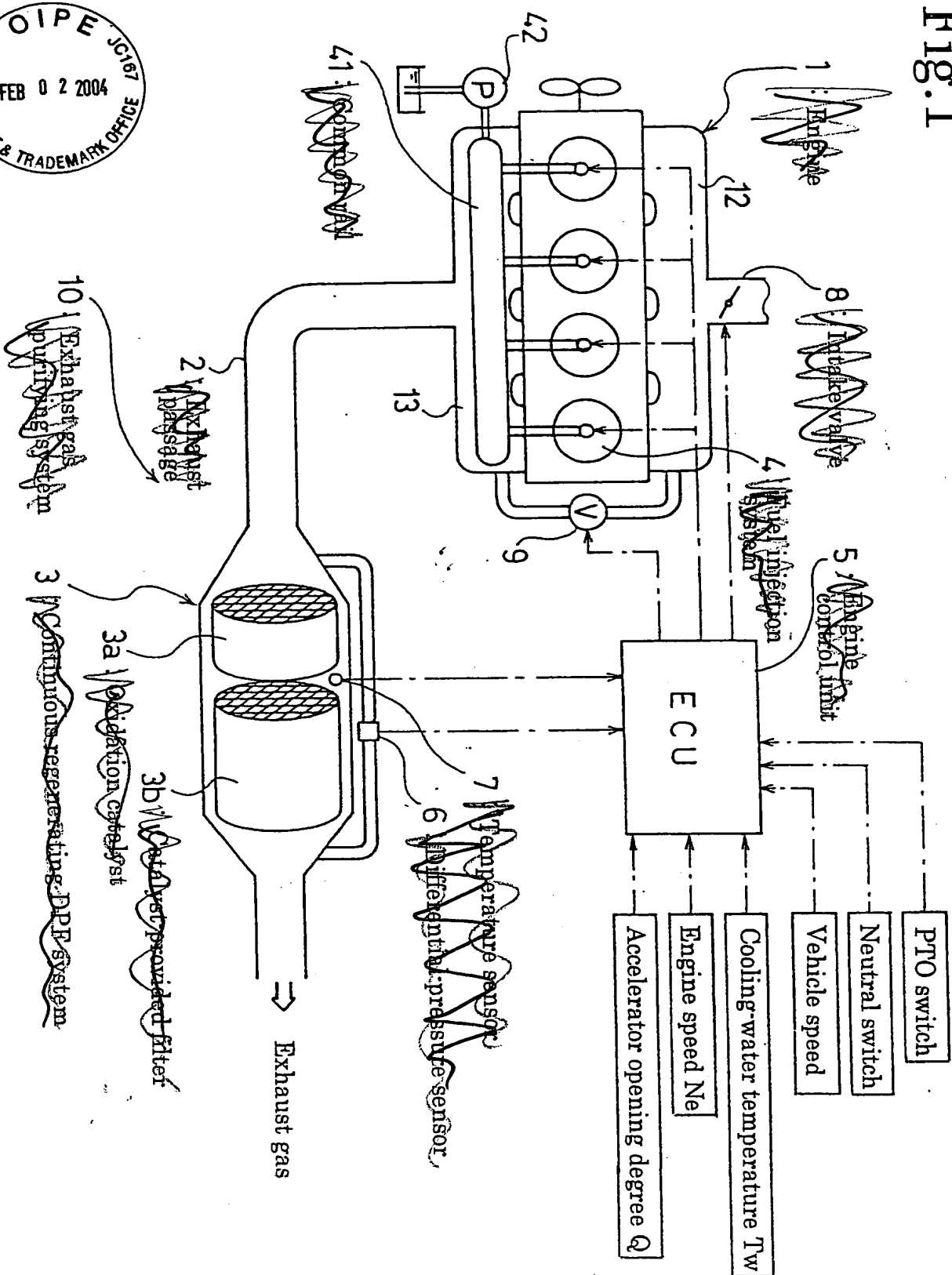


Fig.2

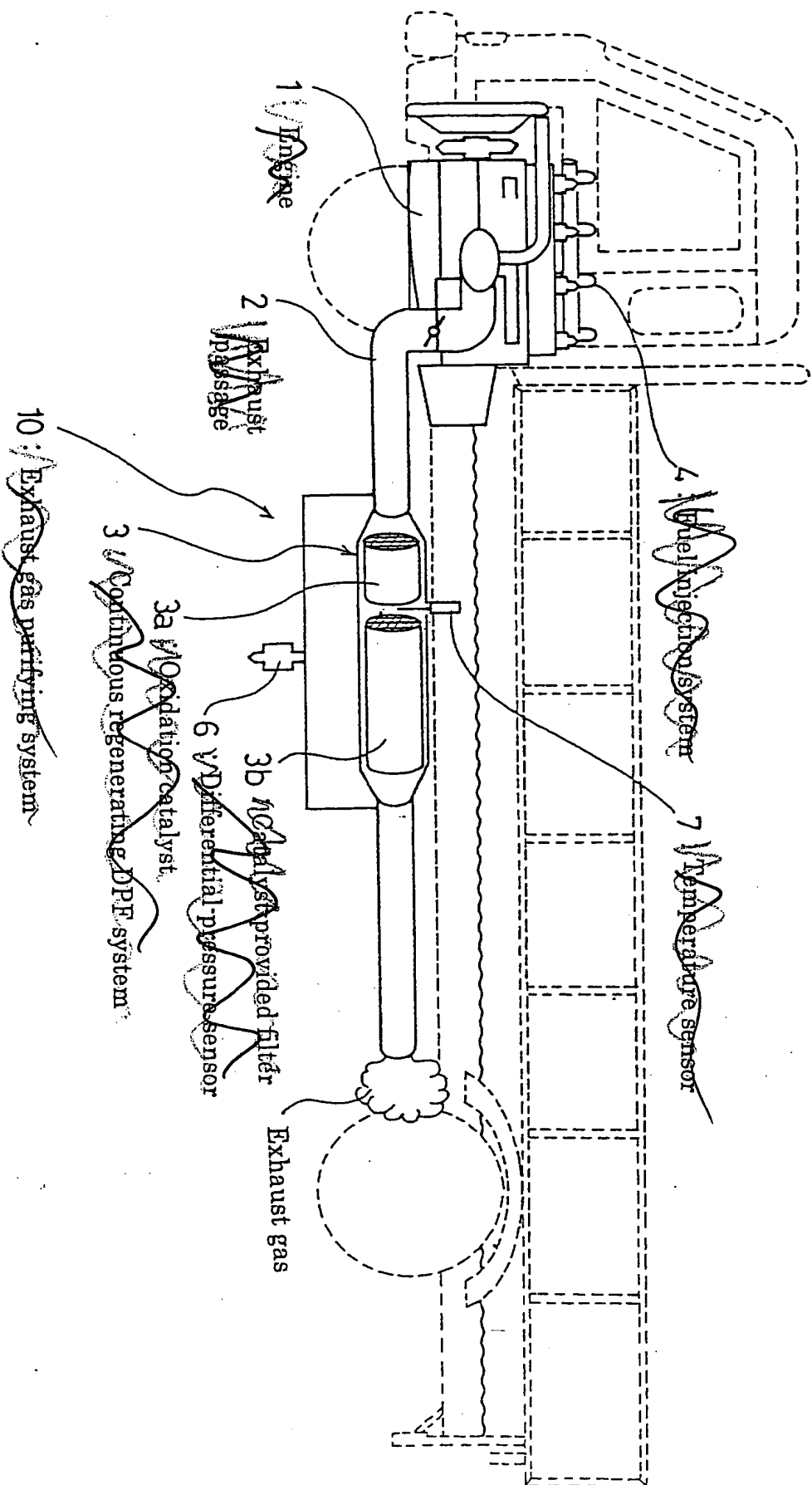


Fig.3

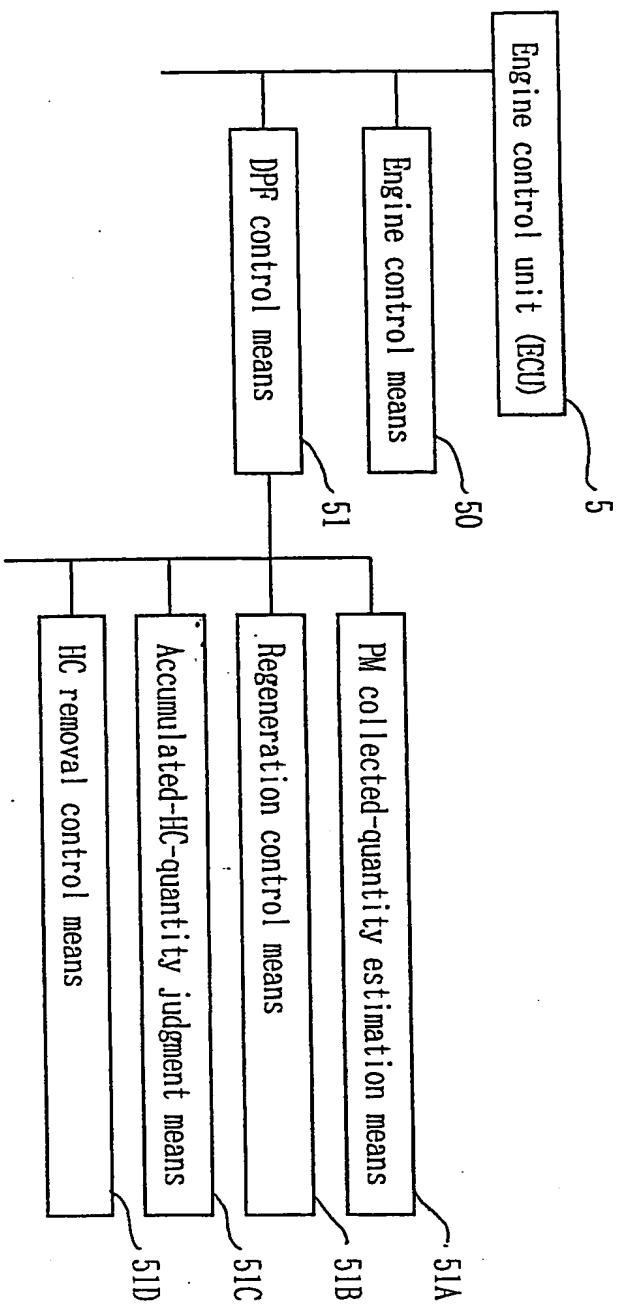


Fig.4

[Unburned-HC related control flow]

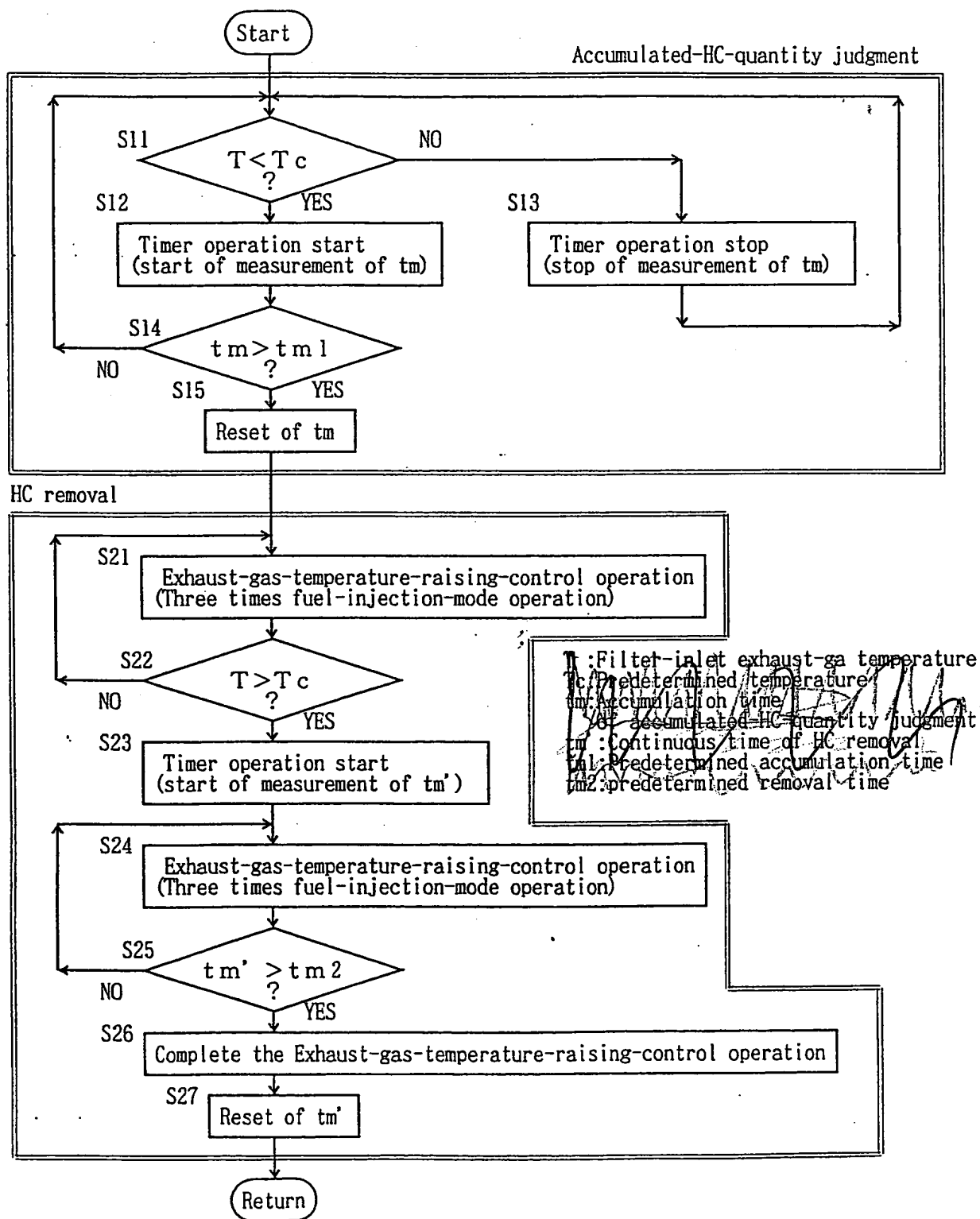
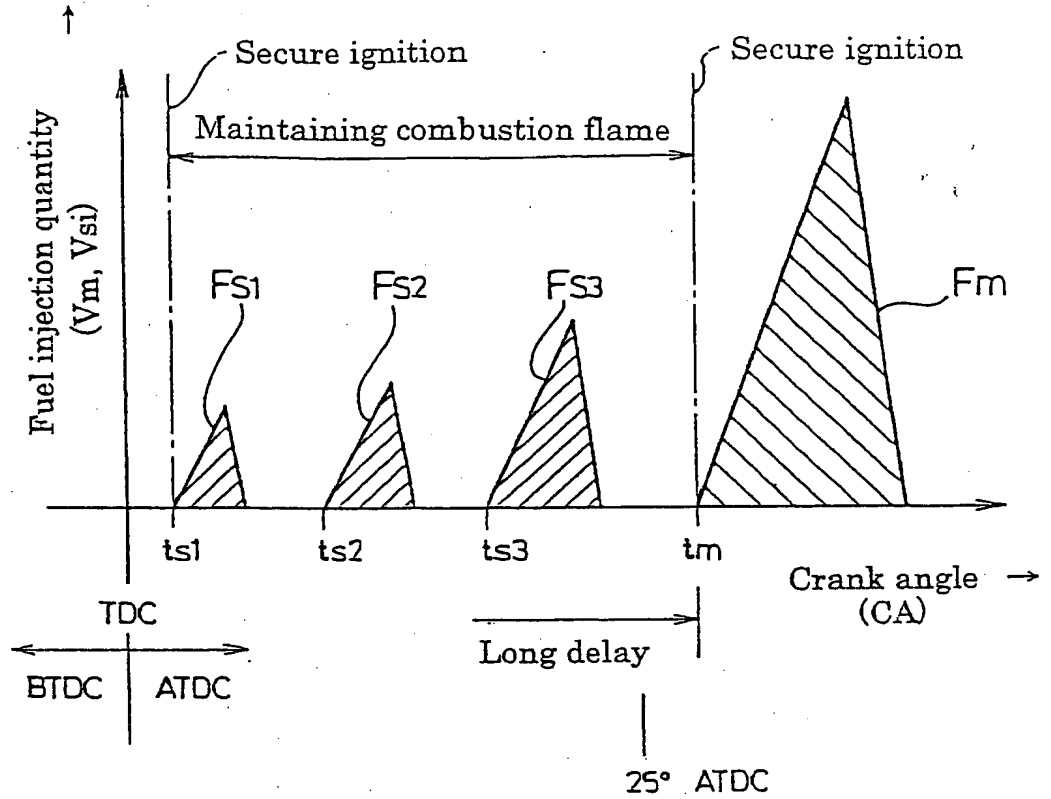


Fig.5

[Example of fuel injection in multistage fuel injection mode operation]

(a)



(b)

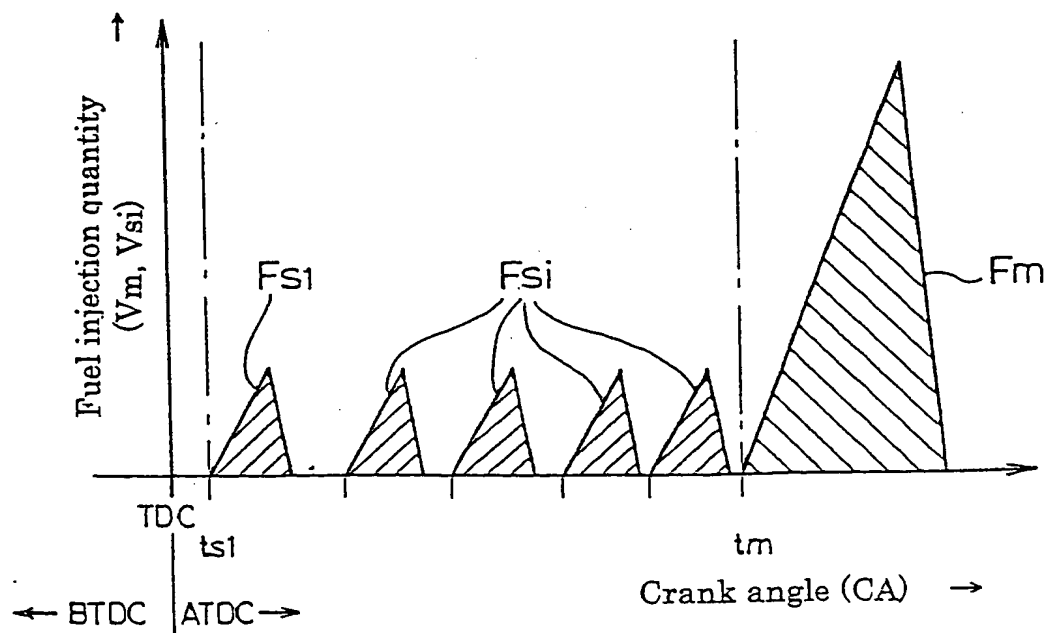
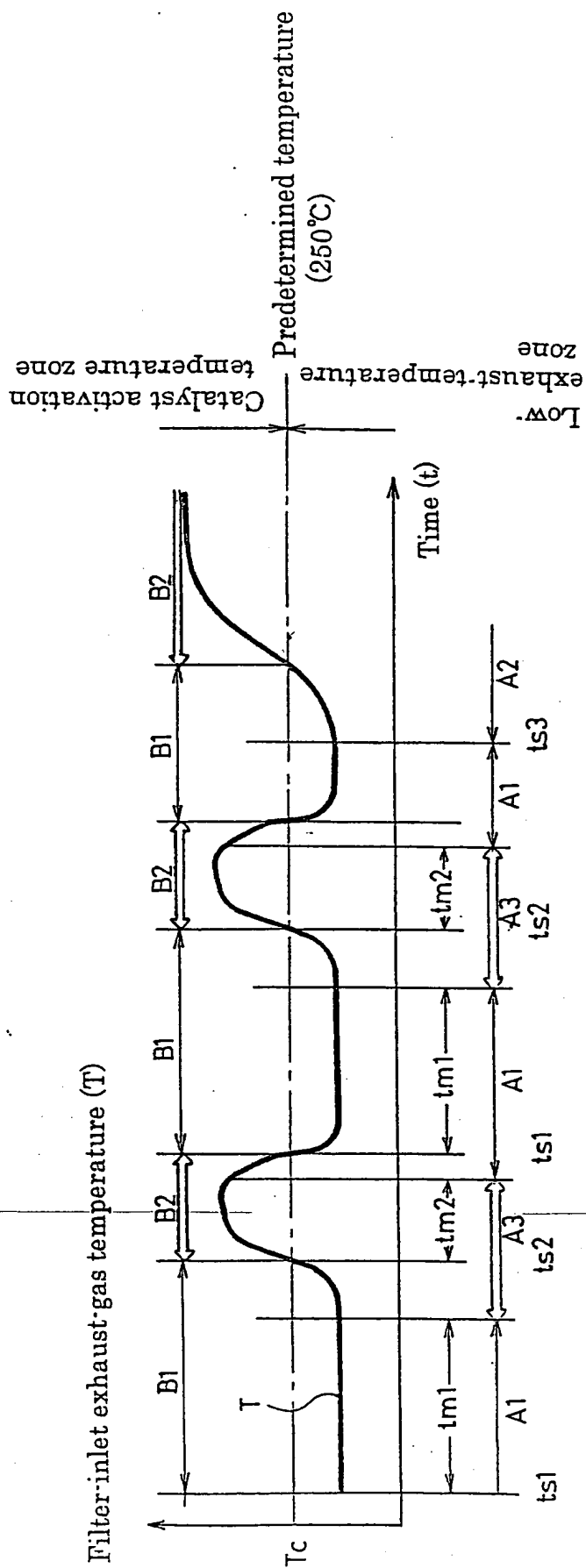


Fig.6



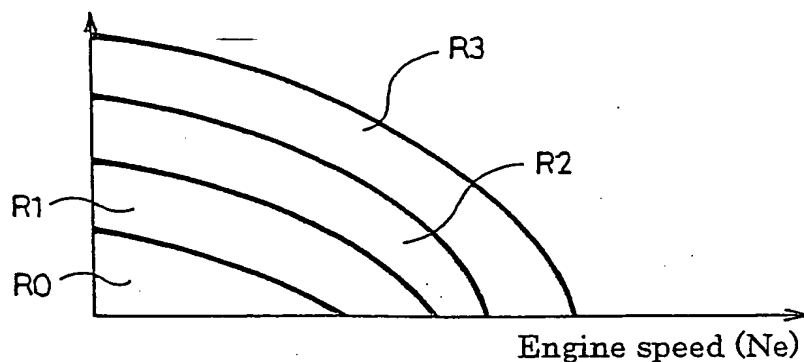
$tm1$: Predetermined judgment value (accumulation time)
 $tm2$: Predetermined judgment value (removal time)
 $ts1$: Timer start (for accumulated HC quantity judgment)
 $ts2$: Timer start (for HC removal)

A1: Long-time low-exhaust-temperature operation
 A2: High-load operation zone
 A3: HC removal operation
 (exhaust-gas-temperature-raising-control operation)
 B1: Accumulated unburned HC
 B2: HC oxidation and removal

Fig.7

[Relation between load and engine speed
of an engine and temperature region]

Load (Q) Temperature region (R)



$$T(R0) < T(R1) < T(R2) < T(R3)$$

Fig.8

